

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. ____
FOR
BELL-CARTER OLIVE COMPANY
SURFACE IMPOUNDMENT CLOSURE AND POST-CLOSURE MAINTENANCE
ORANGE COVE
FRESNO COUNTY

Compliance with this Monitoring and Reporting Program, with Title 27, California Code of Regulations, Section 20005 and following (hereafter Title 27), and with the *Standard Provisions and Reporting Requirements for Title 27 (27 CCR §20005, et seq.) and Subtitle D (40 CFR 258)*, dated April 2000, is ordered by Waste Discharge Requirements (WDRs) Order No. ____ and Section 13267 of the California Water Code.

Failure to comply with this Program, or with the Standard Provisions and Reporting Requirements, constitutes noncompliance with the Waste Discharge Requirements and the Water Code, which can result in the imposition of civil monetary liability.

A. REQUIRED REPORTS

<u>Report</u>	<u>Due</u>
1. Post Closure Maintenance Plan	30 September 2005
2. Construction CQA Plan	30 September 2005
3. Concentration Limit Report (C.2)	30 September 2005
4. Proposed Sampling and Analysis Plan (D.1)	30 September 2005
5. Evaluation Monitoring Report	31 December 2006
6. Closure Construction Certification Report	31 October 2007
7. Groundwater Monitoring Reports (Section D.1)	Semiannually
8. Facility Monitoring Reports (Section D.2)	Annually

B. REPORTING

The Discharger shall report monitoring data and information as required in this Monitoring and Reporting Program, by Order No. ____, and as required in the Standard Provisions and Reporting Requirements. Reports that do not comply with the required format will be **REJECTED** and the Discharger shall be deemed to be in noncompliance with the Waste Discharge Requirements. In reporting the monitoring data required by this program, the Discharger shall arrange the data in tabular form so that the date, the constituents, the concentrations, and the units are readily discernable. The Discharger shall also submit the data on a diskette in a digital format acceptable to the Executive Officer (e.g. Access, dBase, Excel, or tab- or comma-delimited text files). The data shall be summarized to clearly illustrate compliance with waste discharge requirements. A short discussion of the monitoring results, including notations of any water quality violations, shall precede the tabular summaries.

Semiannual, and annual reports shall be submitted to the Board by the 30th day of the month following the quarter or month in which the samples or observations were taken.

C. WATER QUALITY PROTECTION STANDARD AND COMPLIANCE PERIOD

The water quality protection standards consist of a list of constituents of concern and monitoring parameters, concentration limits for each constituent of concern, and all water quality monitoring points.

The compliance period is the minimum period during which the Discharger shall conduct water quality monitoring subsequent to a release.

1. Constituents of Concern

Constituents of concern are the waste constituents, reaction products, and hazardous constituents that are reasonably expected to be in or derived from waste contained in the waste management unit. The constituents of concern are listed below.

a. Monitoring Parameters

Monitoring parameters are the waste constituents, reaction products, hazardous constituents, and physical parameters that provide a reliable indication of a release from a waste management unit. The monitoring parameters are listed below.

<u>Parameter</u>	<u>Units</u>
Field Parameters	
Temperature	°C
Groundwater Elevation	Feet & hundredths, MSL
Specific Conductance	µmhos/cm
pH	pH Units
Turbidity	Turbidity Units
<u>Parameter</u>	<u>Units</u>
Monitoring Parameters	
Total Dissolved Solids (TDS)	mg/L
Chloride	mg/L
Sodium	mg/L
Nitrates	mg/L

Constituents of Concern

Standard minerals ¹	mg/L
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¹ Standard minerals shall include all major cations and anions and include a verification that the analysis is complete (i.e., a cation/anion balance)

2. Concentration Limits

The Concentration Limits for each Constituent of Concern are background concentrations. Background well(s) shall be used to establish Concentration Limits for each naturally occurring Constituent of Concern for groundwater. The Discharger shall submit a report containing proposed Concentration Limits by **30 September 2005**.

3. Monitoring Points

The groundwater monitoring points shall be monitoring wells MW-1, MW-2, MW-3, and MW-4, and any other wells installed at this facility or offsite for the purpose of groundwater monitoring. Groundwater monitoring well locations are illustrated on Attachment B.

4. Point of Compliance

The point of compliance is the vertical surface located at the hydraulically downgradient limit of the waste management unit that extends through the uppermost aquifer underlying the unit.

- a. All downgradient wells established for groundwater monitoring shall constitute the monitoring points for the groundwater quality protection standard. All approved monitoring wells shall be sampled and analyzed for monitoring parameters and constituents of concern as indicated and listed herein. The Discharger shall complete an Evaluation Monitoring Program by **31 December 2006**. The Evaluation Monitoring report shall include an Engineering Feasibility Study with a detailed description of the corrective action measures that could be taken to achieve background concentrations for all constituents of concern.

5. Compliance Period

The compliance period is defined as the number of years equal to the active life of the waste management unit plus the closure period. The compliance period is the minimum period during which the Discharger shall conduct a water-quality monitoring program subsequent to a release from the unit.

D. GROUNDWATER MONITORING

1. Groundwater Sampling

The Discharger shall collect, preserve, and transport groundwater samples from each groundwater monitoring well currently at the facility, and any other wells installed after issuance of the MRP according to an approved sampling and analysis plan.

The Discharger shall determine the groundwater level in each well (in feet and hundredths, MSL) and determine groundwater flow rate and direction in the uppermost aquifer at least semi-annually, including the times of expected highest and lowest water level elevations for the respective groundwater body and report the results.

Groundwater samples shall be collected from the wells in the groundwater monitoring system, and any additional wells added as part of the approved groundwater monitoring system. Samples shall be collected at the frequencies and analyzed for the constituents listed below.

<u>Constituents</u>	<u>Monitoring Frequency</u>
Field Parameters	Semi-Annually
Monitoring Parameters	Semi-Annually
Constituents of Concern	Every 5 Years ¹

¹ Sampling shall alternate between the spring and fall sampling events.

2. Evaluation Monitoring

In accordance with this Order, the Discharger shall complete the approved Evaluation Monitoring Program to determine the extent of groundwater impacts affected by releases from the facility. A final report describing the impacts shall be submitted that includes an Engineering Feasibility Study for corrective action and a time schedule.

E. FACILITY MONITORING

1. Facility Inspection

Annually, prior to the anticipated rainy season, but no later than **30 September**, the Discharger shall conduct an inspection of the facility. The inspection shall assess damage to the drainage system control system, groundwater monitoring equipment (including wells etc.), fencing, and cover integrity, and shall include the Standard Observations defined in the Standard Provisions and Reporting Requirements. Any necessary construction, maintenance, or repairs shall be completed by **31 October**. By **15 November** of each year, the Discharger shall submit

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an annual report describing the results of the inspection and the repair measures implemented, including photographs of the problem and the repair.

2. Pavement Integrity Monitoring and Maintenance

The Discharger shall conduct a pavement integrity monitoring and maintenance program in accordance with a Pavement Integrity Monitoring and Maintenance Program Plan included in the approved Post-Closure Maintenance Plan. The plan shall contain a schedule for submittal of monitoring and maintenance reports.

The Discharger shall implement the above monitoring program on the effective date of this Program.

Ordered by: _____
THOMAS R. PINKOS, Executive Officer

Date

TAF:taf/rac:7/6/2005